● PRINTER RUSH ●
(PTO ASSISTANCE)

Application : 09/513,350	Examiner : Jeanty	GAU : 3623
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☐ 312	___	
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[RUSH] MESSAGE: (1) Abstract - Crossed out - is there
An Amendment for the Abstract.

(2) Renumbered claim 1 (original claim 2) depends on
Renumbered claim 7 (original claim 6)
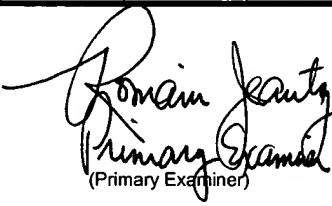
Please Resolve.

Thank you.

[XRUSH] RESPONSE: _____

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document coded as XRUSH.
REV 10/04

Issue Classification	Application/Control No.	Applicant(s)/Patent under Reexamination
‖‖‖‖‖‖‖‖ (barcode)	09/513,350	LEYMANN ET AL.
	Examiner	**Art Unit**	
	Romain Jeanty	3623	

ISSUE CLASSIFICATION

ORIGINAL		CROSS REFERENCE(S)							
CLASS	**SUBCLASS**	**CLASS**	**SUBCLASS (ONE SUBCLASS PER BLOCK)**						
718	100	718	101	102					
INTERNATIONAL CLASSIFICATION		705	8						
G 0 6 F	01/200								
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(Assistant Examiner) (Date)

Romain Jeanty 1/4/06
(Primary Examiner) (Date)

Patricia Lewis 1/10/06
(Legal Instruments Examiner) (Date)

Total Claims Allowed: 14

O.G. Print Claim(s)	O.G. Print Fig.
1	7

☐ Claims renumbered in the same order as presented by applicant   ☐ CPA   ☐ T.D.   ☐ R.1.47

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
	1		31		61		91		121		151		181
2	2		32		62		92		122		152		182
3	3		33		63		93		123		153		183
	4		34		64		94		124		154		184
8	5		35		65		95		125		155		185
1	6		36		66		96		126		156		186
9	7		37		67		97		127		157		187
10	8		38		68		98		128		158		188
11	9		39		69		99		129		159		189
4	10		40		70		100		130		160		190
5	11		41		71		101		131		161		191
6	12		42		72		102		132		162		192
7	13		43		73		103		133		163		193
12	14		44		74		104		134		164		194
13	15		45		75		105		135		165		195
14	16		46		76		106		136		166		196
	17		47		77		107		137		167		197
	18		48		78		108		138		168		198
	19		49		79		109		139		169		199
	20		50		80		110		140		170		200
	21		51		81		111		141		171		201
	22		52		82		112		142		172		202
	23		53		83		113		143		173		203
	24		54		84		114		144		174		204
	25		55		85		115		145		175		205
	26		56		86		116		146		176		206
	27		57		87		117		147		177		207
	28		58		88		118		148		178		208
	29		59		89		119		149		179		209
	30		60		90		120		150		180		210

A computerized method of managing workload within a Workflow-Management-System (WFMS), the WFMS having a process-model, the process-model including one or more activities being the nodes of an arbitrary graph, and directed edges of the graph defining a potential control-flow within the process-model. The method comprises a determination-step, wherein the process-model is analyzed if a priority-execution-indicator is assigned to the activity within the process model; and a launching step, wherein, in the affirmative case of the determination-step, the WFMS launches execution of the activity in the activity's execution-environment with an execution priority specified according to the priority execution indicator. Moreover the WFMS can set its own execution priority, and processing-related messages for communication are set to the execution priority specified.

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LISTING OF CLAIMS

1. (canceled)

2. (currently amended) A method of managing workload within a WFMS according to claim 6 claim 1, further comprising, when said analyzing step indicates that there is a priority execution indicator, said WFMS setting its own execution priority for WFMS internal processing to the execution priority specified according to said priority execution indicator.

3. (original) A method of managing workload within a WFMS according to claim 2, further comprising, when said analyzing step indicates that there is a priority execution indicator, setting the priority of one or more messages relating to the processing of said activity are set to the execution priority specified according to said priority execution indicator.

4. (canceled)

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5.   (currently amended) A method of managing workload
within a WFMS according to <u>claim 6</u> ~~claim 4~~, further
comprising, when said analyzing step indicates that there is
a priority execution specification for said activity,
assigning the priority execution indicator of said priority
execution specification of said activity to said activity.

6.   (currently amended) A <u>computerized</u> method of managing
workload   within   a   ~~WFMS according to claim 4,~~
<u>Workflow-Management-System   (WFMS)   said   method   being</u>
<u>executable by said WFMS on at least one computer system,</u>
<u>wherein said WFMS comprises a process model, said process</u>
<u>model comprising one or more activities being the nodes of</u>
<u>an arbitrary graph, and directed edges of said graph</u>
<u>defining a potential control flow within said process model,</u>
<u>said method comprising the steps of:</u>

<u>analyzing said process model to determine if a priority</u>
<u>execution indicator is assigned to one of said one or more</u>
<u>activities within said process model; and wherein said</u>
<u>process model is further analyzed to determine if there is a</u>

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<u>priority execution specification associated with said</u>

<u>activity,</u>

<u>when said analyzing step indicates that there is a</u>
<u>priority execution indicator for an activity, said WFMS</u>
<u>launching execution of said activity with an execution</u>
<u>priority specified according to said priority execution</u>
<u>indicator; and</u>

~~further comprising,~~ when there is no priority execution
specification of said activity, analyzing for a priority
execution specification of a performance sphere comprising
said activity, said performance sphere comprising a
sub-graph of said process model associating a process
execution indicator to activities within said performance
sphere.

7.   (original) A method of managing workload within a WFMS
according to claim 6, further comprising, when a priority
execution specification of said performance sphere is
located, assigning the priority execution indicator of said

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priority execution specification of said performance sphere
to said activity.

8.   (original) A method of managing workload within a WFMS
according to claim 6, further comprising, when a priority
execution specification is not located for said performance
sphere, analyzing said process model for a priority
execution specification associated with said process model
and assigning the priority execution indicator of said
priority execution specification of said process model to
said activity.

9. (currently amended) A method of managing workload within
a WFMS according to claim 6 claim 1, wherein said activity
requires a specific execution-environment and wherein said
launching further comprises mapping said priority execution
indicator to a value based on said activity's specific
execution environment.

10. (previously presented) A method of managing workload
within a WFMS according to claim 2, wherein said activity
requires a specific execution-environment and wherein said

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launching further comprises mapping said priority execution
indicator to a value in accordance to said WFMS's specific
execution-environment.

11. (previously presented) A method of managing workload
within a WFMS according to claim 3, wherein said one or more
messages are communicated along a communication-system and
wherein said launching further comprises mapping said
priority execution indicator to a value in accordance to
said communication-system.

12. (original) A method of managing workload within a WFMS
according to claim 3, said launching further comprises said
WFMS launching execution of said activity directly by
calling said activity with said execution priority.

13. (original) A method of managing workload within a WFMS
according to claim 3, wherein said launching further
comprises said WFMS launching execution of said activity
indirectly by sending said activity a message set to said
execution priority and said activity being responsive by
setting its execution priority accordingly.

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14.   (currently amended) A data processing program for
execution in a data processing system comprising software
code portions for performing a method for managing workload
within a Workflow-Management-System (WFMS) said method being
executable by said WFMS on at least one computer system,
wherein said WFMS comprises a process model, said process
model comprising one or more activities being the nodes of
an arbitrary graph, and directed edges of said graph
defining a potential control flow within said process model,
said method comprising the steps of:

     analyzing said process model to determine if a priority
execution indicator is assigned to one of said one or more
activities within said process model, and wherein said
process model is further analyzed to determine if there is a
priority execution specification associated with said
activity,

     when said analyzing step indicates that there is a
priority execution indicator for an activity, said WFMS
launching execution of said activity with an execution

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priority specified according to said priority execution indicator; and

when there is no priority execution specification of said activity, analyzing for a priority execution specification of a performance sphere comprising said activity, said performance sphere comprising a sub-graph of said process model associating a process execution indicator to activities within said performance sphere.

15. (currently amended) A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine for performing method steps for managing workload within a Workflow-Management-System (WFMS) said method being executable by said WFMS on at least one computer system, wherein said WFMS comprises a process model, said process model comprising one or more activities being the nodes of an arbitrary graph, and directed edges of said graph defining a potential control flow within said process model, said method comprising the steps of:

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analyzing said process model to determine if a priority
execution indicator is assigned to one of said one or more
activities within said process model, and wherein said
process model is further analyzed to determine if there is a
priority execution specification associated with said
activity,

when said analyzing step indicates that there is a
priority execution indicator for an activity, said WFMS
launching execution of said activity with an execution
priority specified according to said priority execution
indicator; and

when there is no priority execution specification of
said activity, analyzing for a priority execution
specification of a performance sphere comprising said
activity, said performance sphere comprising a sub-graph of
said process model associating a process execution indicator
to activities within said performance sphere.

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16.   (currently amended) A system for managing workload in a computer system comprising:

a Workflow-Management-System (WFMS) on at least one computer in said system, said WFMS comprises a process model, said process model comprising one or more activities being the nodes of an arbitrary graph, and directed edges of said graph defining a potential control flow within said process model;

at least one processor component for analyzing said process model to determine if a priority execution indicator is assigned to one of said one or more activities within said process model, and wherein said process model is further analyzed to determine if there is a priority execution specification associated with said activity,

an activity launching component for causing said WFMS to launch execution of said activity, when said analyzing step indicates that there is a priority execution indicator for an activity, said WFMS launching execution of said

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activity with an execution priority specified according to

said priority execution indicator; and

when there is no priority execution specification of

said activity, said at least one processor component

analyzing for a priority execution specification of a

performance sphere comprising said activity, said

performance sphere comprising a sub-graph of said process

model associating a process execution indicator to

activities within said performance sphere.

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